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## ABSTRACT

### SECURING VOICE OVER IP TRAFFIC

A method of sending streamed data over an IP network from a first node 1 to a second node 4, the method comprising using Internet Key Exchange (IKE) to establish an IKE security association (SA) between the first and second nodes 1,4. A shared secret is established between the first and second nodes using the IKE SA, and the streamed data encrypted at the first node 1 with a cipher using the shared secret or a key derived using the shared secret. IP datagrams are constructed containing in their payload, segments of the encrypted streamed data, the datagrams not including an IPSec header or headers. The IP datagrams are then sent from the first node 1 to the second node 4.